Attorney's Do No.: 14564-011001



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Connolly et al.

Art Unit : 2828

Serial No.: 09/710,362

Examiner: James A. Menefee

Filed

: November 10, 2000

Title : METHOD FOR

: METHOD FOR CONTROLLING CURRENT SPREADING IN

SEMICONDUCTOR LASER DIODES

Commissioner for Patents Washington, D.C. 20231

REVOCATION AND NEW POWER OF ATTORNEY

Under 37 CFR §3.73(b), Trumpf Photonics Inc., a Delaware corporation, certifies that it is the assignee of 100% of the right, title and interest in the patent application identified above by virtue of a chain of title from the inventors of the patent application identified above, to the current assignee as shown below.

- 1. From the inventors to Sarnoff Corporation on April 17, 2000, sent for recordation in the Patent and Trademark Office on November 15, 2002, a copy of which is attached hereto.
- 2. From Sarnoff Corporation to Princeton Lightwave, Inc., recorded in the Patent and Trademark Office at Reel 013128, Frame 0032 on July 31, 2002, a copy of the recordation sheet of which is attached hereto.
- 3. From Princeton Lightwave, Inc. to Trumpf Photonics Inc., sent for recordation in the Patent and Trademark Office on November 14, 2002, a copy of which is attached hereto.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

Date of Deposit

Date of Deposi

Signature

Typed or Printed Name of Person Signing Certificate

Applicant: Connolly et al. Serial No.: 09/710,362

: November 10, 2000 Filed

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The undersigned, whose title is supplied below, is empowered to act on behalf of the assignee.

The undersigned, acting on behalf of the assignee, hereby revokes all powers of attorney previously granted in the application and appoints:

James W. Babineau, Reg. No. 42,276 J. Peter Fasse, Reg. No. 32,983 John F. Hayden, Reg. No. 37,640 Timothy A. French Reg. No. 30,175 Mark W. Bellermann, Reg. No. 47,419

with full power of substitution and revocation, to prosecute the application and to transact all business in the United States Patent and Trademark Office connected therewith.

All correspondence regarding the application should be sent to:

James W. Babineau Reg. No. 42,276 FISH & RICHARDSON P.C. 225 Franklin Street Boston, Massachusetts 02110-2804

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Respectfully submitted,

Date: 11/18/2002

Peter Leibinger

President

Trumpf Photonics Inc.

20540515.doc

<u>ASSIGNMENT</u>

I hereby declare that I am an inventor of the invention relating to METHOD OF CONTROLLING CURRENT SPREADING IN SEMICONDUCTOR LASER DIODES described in an application for Letters Patent of the United States of America filed:

- [] herewith under the above-identified docket number.
- [X] on November 12, 1999, under U.S. Provisional application serial no. 60/164,864.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I hereby sell, assign, and transfer to SARNOFF CORPORATION, a New Jersey corporation having a place of business at 201 Washington Road, Princeton, NJ 08540-6449, United States of America, its successors, and assigns, my entire right, title, and interest for all countries in and to said inventions, and all the rights and privileges under any and all Letters Patent that may be granted therefor, and any divisions, continuations, reissues, and extensions thereof.

I agree that, when requested, I will, without charge to said corporation but at its expense, sign all papers, take all rightful oaths, make all rightful declarations, and do all acts which may be necessary, desirable, or convenient for securing and maintaining patents or other forms of protection for said inventions in any and all countries and for vesting title thereto in said corporation, its successors, assigns, or nominees.

I agree that I will communicate to said corporation or its representatives any facts known to me respecting said inventions and, when requested by said corporation and at its expense, will generally do everything possible to aid said corporation, its successors, assigns, and legal representatives or nominees, to obtain or enforce proper protection for said inventions in any and all countries.

I authorize and empower said corporation, its successors, assigns, or nominees, to make application for patent or other form of protection for said inventions in its or their own name, or in my name, in any and all countries and to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file, or like document which may be required in any country for any purpose and, more particularly, in proof of the right of said corporation or its successors, assigns, or nominees to apply for patent or other proper protection for said inventions, and to claim the aforesaid benefits of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

I covenant with said corporation, its successors, assigns, legal representatives, and nominees, that to the best of my knowledge, the right, title, and interest herein conveyed by me are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

Date: 4/17/80 I	John Charles Connol 5 Wright Court	ly
	Clarksburg, NJ 08510	0 ,
1 st Witness Joan Sanders (print or type)	Chun	Signature)
2 nd Witness(print or type)		signature)

Date: 4/17/00	By: Louis Anthony DiMarco Louis Anthony DiMarco
	Louis Anthony DiMarco
	21 Lohli Drive
	Hamilton Square, NJ 08690
1st Witness Tow Sanders	the state
(print or type)	(signature)
2 nd Witness	(biginature)
(print or type)	(signature)





SEPTEMBER 27, 2002

GOODWIN PROCTER LLP WILLIAM C. HWANG 7 BECKER FARM ROAD ROSELAND, NJ 07068

PTAS

Under Secretary of Commerce For Intellectual Property and Director of the United States Patent and Trademark Office Washington, DC 20231 www.uspto.gov



UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/31/2002

REEL/FRAME: 013128/0032

NUMBER OF PAGES: 19

ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS). BRIEF:

ASSIGNOR:

SARNOFF CORPORATION

DOC DATE: 07/18/2002

ASSIGNEE:

PRINCETON LIGHTWAVE, INC. 2601 U.S. ROUTE 130 SOUTH CRANBURY, NEW JERSEY 08512

SERIAL NUMBER: 60089631

PATENT NUMBER:

FILING DATE: 06/16/1998

ISSUE DATE:

SERIAL NUMBER: 60132791

FILING DATE: 05/06/1999

PATENT NUMBER:

ISSUE DATE:

SERIAL NUMBER: 09566276 PATENT NUMBER:

FILING DATE: 05/05/2000

ISSUE DATE:

SERIAL NUMBER: 60089414 PATENT NUMBER:

ISSUE DATE:

FILING DATE: 06/16/1998

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SERIAL NUMBER: 60164864 FILING DATE: 11/12/1999 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09710362 FILING DATE: 11/10/2000 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 60129810 FILING DATE: 04/16/1999 PATENT NUMBER: ISSUE DATE: FILING DATE: 10/22/1999 SERIAL NUMBER: 60161213 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09571970 FILING DATE: 05/16/2000 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 60184317 FILING DATE: 02/23/2000 PATENT NUMBER: ISSUE DATE: FILING DATE: 01/20/2000 SERIAL NUMBER: 60176909 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09553551 FILING DATE: 04/20/2000 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 60176913 FILING DATE: 01/20/2000 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09585032 FILING DATE: 06/01/2000 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 60176915 FILING DATE: 01/20/2000 ISSUE DATE: PATENT NUMBER: FILING DATE: 01/20/2000 SERIAL NUMBER: 60176916 ISSUE DATE: PATENT NUMBER: FILING DATE: 02/25/2000 SERIAL NUMBER: 60185133 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 07632263 FILING DATE: 12/21/1990 PATENT NUMBER: 5131001 ISSUE DATE: 07/14/1992 SERIAL NUMBER: 08757883 FILING DATE: 11/27/1996 PATENT NUMBER: 5818860 ISSUE DATE: 10/06/1998 FILING DATE: 09/08/1995 SERIAL NUMBER: 08524956 ISSUE DATE: 04/08/1997 PATENT NUMBER: 5619523 SERIAL NUMBER: 09205575 FILING DATE: 12/04/1998 PATENT NUMBER: 6417524 ISSUE DATE: 07/09/2002 FILING DATE: 10/07/1997 SERIAL NUMBER: 08946180 PATENT NUMBER: 6034380 ISSUE DATE: 03/07/2000

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SERIAL NUMBER: 09159141
PATENT NUMBER: 6175446

SERIAL NUMBER: 09158847

PATENT NUMBER: 6339606
SERIAL NUMBER: 09159148

PATENT NUMBER: 6184542

SERIAL NUMBER: 09430643

PATENT NUMBER: 6301279

SERIAL NUMBER: 09571211 PATENT NUMBER: 6363188

SERIAL NUMBER: 10204157

PATENT NUMBER:

PCT NUMBER: US0105716

SERIAL NUMBER: 10181619

PATENT NUMBER:

PCT NUMBER: US0102073

SERIAL NUMBER: 10181540

PATENT NUMBER:

PCT NUMBER: US0102070

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PATENT NUMBER:

PCT NUMBER: US0106039

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PATENT NUMBER:

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PATENT NUMBER:

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SERIAL NUMBER:

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PCT NUMBER: US0041425

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